

## Current session 08/07/2004

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## Query/Command : FILE PLUSPAT

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Last update of file: 2004/07/07 (YYYY/MM/DD) 2004-27/UP (basic update)

Search statement 1

## Query/Command : US6584814/PN

\*\* SS 1: Results 1

Search statement 2

## Query/Command : PRT FULL NONSTOP LEGALALL

*1/1 PLUSPAT - ©QUESTEL-ORBIT - image*

**PN** - US2002002847 A1 20020110 [US20020002847]  
**PN2** - US6584814 B2 20030701 [US6584814]  
**TI** - (A1) Washing machine with tilted washing tub  
**PA** - (B2) LG ELECTRONICS INC (KR)  
**PA0** - LG Electronics, Inc., Seoul [KR]  
**PA2** - (B2) LG ELECTRONICS INC (KR)  
**IN** - (A1) LEE BONG SANG (KR); PARK HYE YONG (KR); RYU CHANG WON (KR); SON JI CHANG (KR)  
**AP** - US83738501 20010419 [2001US-0837385]  
**PR** - KR2000020736 20000419 [2000KR-0020736]  
**IC** - (A1) D06F-023/00 D06F-037/20  
**EC** - D06F-023/06  
D06F-039/12  
**PCL** - ORIGINAL (O) : 068024000; CROSS-REFERENCE (X) : 068003000R  
**DT** - Basic  
**CT** - US2583823; US4526020; US5090220; US5661914  
**STG** - (A1) Utility Patent Application published on or after January 2, 2001  
**STG2** - (B2) U.S. Patent (with pre-grant pub.) after Jan. 2, 2001  
**AB** - Disclosed herein is a washing machine with a tilted washing tub. The washing machine includes a casing on the rear portion of which an opening is formed. The opening is covered with a rear cover provided with an outward protrusion. A washing tub consists of outer and inner tubs. The outer tub is positioned in the casing to be tilted forward at a predetermined angle for containing washing water. The inner tub is positioned in the outer tub for washing and spin-drying laundry. Drive means is positioned under the outer tub to rotate the outer tub.  
**UP** - 2002-04

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*1/1 LGST - ©EPO*

**PN** - US2002002847 A1 20020110 [US20020002847]  
US6584814 B2 20030701 [US6584814]  
**AP** - US83738501 20010419 [2001US-0837385]  
**ACT** - 20031216 US/RF-A  
REISSUE APPLICATION FILED  
EFFECTIVE DATE: 20031008  
  
20031223 US/RF-A  
REISSUE APPLICATION FILED  
EFFECTIVE DATE: 20031008  
**UP** - 2004-03

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*1/1 CRXX - ©CLAIMS/RRX*

**PN** - 6,584,814 A 20030701 [US6584814]  
**PA** - LG Electronics Inc KR

ACT - 20031008 REISSUE REQUESTED  
ISSUE DATE OF O.G.: 20031216  
REISSUE REQUEST NUMBER: 10/684322  
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 1746

Reissue Patent Number:

20031008 REISSUE REQUESTED  
ISSUE DATE OF O.G.: 20031223  
REISSUE REQUEST NUMBER: 10/684322  
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 1746

Reissue Patent Number:

## Search statement 2

Query/Command : FILE INPADOC

PLUSPAT - Time in minutes : 0,31  
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|   |          |
|---|----------|
| Estimated cost :                              | 0.74 USD |
| Records displayed and billed :                | 1        |
| Estimated cost :                              | 1.32 USD |
| Cost estimated for the last database search : | 2.06 USD |
| Estimated total session cost :                | 2.68 USD |

LGST - Time in minutes : 0,03  
The cost estimation below is based on Questel's  
standard price list

|   |                  |          |
|---|------------------|----------|
| Records displayed and billed                | Estimated cost : | 0.03 USD |
| Legal-Status informations                   | Estimated cost : | 0.60 USD |
| Cost estimated for the last database search | Estimated cost : | 0.50 USD |
| Estimated total session cost                | Estimated cost : | 1.13 USD |
|   | Estimated cost : | 3.81 USD |

CRXX - Time in minutes : 0,03  
The cost estimation below is based on Questel's  
standard price list

|   |          |
|---|----------|
| Estimated cost :                              | 0.05 USD |
| Records displayed and billed :                | 1        |
| Estimated cost :                              | 5.50 USD |
| Legal-Status informations :                   | 1        |
| Estimated cost :                              | 0.50 USD |
| Cost estimated for the last database search : | 6.05 USD |
| Estimated total session cost :                | 9.86 USD |

LITA - Time in minutes : 0,00

The cost estimation below is based on Questel's  
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Estimated total session cost : 9.86 USD

Selected file: INPADOC

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Search statement 1

Query/Command : FAM US6584814/PN

1 Patent Groups

\*\* SS 1: Results 6

Search statement 2

Query/Command : FAMSTATE NONSTOP

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1/6 INPADOC - ©INPADOC

**PN** - CN 1318663 A 20011024 [CN1318663]  
**TI** - INCLINED CASING OF WASHING MACHINE  
**IN** - CHI-CHANG SON [KR]; HOE-YUNG PAK [KR]; BONG-SANG LEE [KR]  
**PA** - LG ELECTRONICS INC [KR]  
**AP** - CN 2001120761/01-A 20010419 [2001CN-0120761]  
**PR** - KR 2000020736/00-A 20000419 [2000KR-0020736]  
**IC** - D06F-037/26; D06F-023/06

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2/6 INPADOC - ©INPADOC

**PN** - JP 2001353394 A2 20011225 [JP2001353394]  
**TI** - WASHING MACHINE HAVING INCLINED WASHING TUB  
**IN** - SON JI CHAN; PARK HYE YONG; LEE BONG SANG; RYU CHANG WON  
**PA** - LG ELECTRONICS INC  
**AP** - JP 2001121190/01-A 20010419 [2001JP-0121190]  
**PR** - KR 2000020736/00-A 20000419 [2000KR-0020736]  
**IC** - D06F-023/06; D06F-039/12

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3/6 INPADOC - ©INPADOC

**PN** - KR 205371 Y1 20001201 [KRU205371]

**TI** - SEAL-DEVICE OF AN ACID PROOF PUMP  
**IN** - KIM MIN KWON [KR]  
**PA** - KIM MIN KWON [KR]  
**AP** - KR 2000020736/00-U 20000720 [2000KR-U020736]  
**PR** - KR 2000020736/00-U 20000720 [2000KR-U020736]  
**IC** - F16J-015/00

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## 4/6 INPADOC - ©INPADOC

**PN** - KR 2001097014 A 20011108 [KR1097014]  
**TI** - WASHING MACHINE HAVING INCLINED WASHING TUB  
**IN** - LEE BONG SANG [KR]; PARK HYE YONG [KR]; RYU CHANG WON [KR]; SON JI CHANG [KR]  
**PA** - LG ELECTRONICS INC [KR]  
**AP** - KR 2000020736/00-A 20000419 [2000KR-0020736]  
**PR** - KR 2000020736/00-A 20000419 [2000KR-0020736]  
**IC** - D06F-023/06

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## 5/6 INPADOC - ©INPADOC

**PN** - US 2002002847 AA 20020110 [US20020002847]  
**TI** - WASHING MACHINE WITH TILTED WASHING TUB  
**IN** - SON JI CHANG [KR]; PARK HYE YONG [KR]; LEE BONG SANG [KR]; RYU CHANG WON [KR]  
**PA** - SON JI CHANG [KR]; PARK HYE YONG [KR]; LEE BONG SANG [KR]; RYU CHANG WON [KR]  
**AP** - US 837385/01-A 20010419 [2001US-0837385]  
**PR** - KR 2000020736/00-A 20000419 [2000KR-0020736]  
**IC** - D06F-023/00; D06F-037/20

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## 1/1 LEGALI - ©EPO

**PN** - US2002002847 A1 20020110 [US20020002847]US6584814 B2 20030701 [US6584814]  
**AP** - US83738501 20010419 [2001US-0837385]  
**ACTE** - 20031216 US/RF-A  
REISSUE APPLICATION FILED  
EFFECTIVE DATE: 20031008  
  
20031223 US/RF-A  
REISSUE APPLICATION FILED  
EFFECTIVE DATE: 20031008  
**UP** - 2004-03

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## 6/6 INPADOC - ©INPADOC

**PN** - US 6584814 BB 20030701 [US6584814]  
**TI** - WASHING MACHINE WITH TILTED WASHING TUB  
**IN** - SON JI CHANG [KR]; PARK HYE YONG [KR]; LEE BONG SANG [KR]; RYU CHANG WON [KR]  
**PA** - LG ELECTRONICS INC [KR]  
**AP** - US 837385/01-A 20010419 [2001US-0837385]  
**PR** - KR 2000020736/00-A 20000419 [2000KR-0020736]  
**IC** - D06F-023/06; D06F-037/26

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*I / I LEGALI - ©EPO*

**PN** - US2002002847 A1 20020110 [US20020002847]US6584814 B2 20030701 [US6584814]  
**AP** - US83738501 20010419 [2001US-0837385]  
**ACTE** - 20031216 US/RF-A  
REISSUE APPLICATION FILED  
EFFECTIVE DATE: 20031008  
  
20031223 US/RF-A  
REISSUE APPLICATION FILED  
EFFECTIVE DATE: 20031008  
**UP** - 2004-03

Search statement 2

PATNO IS 6584814

DATE: JULY 8, 2004  
LIBRARY: PATENT  
FILE: ALL

Your search request is:  
PATNO IS 6584814

Number of PATENTS found with your search request through:  
LEVEL 1... 1

Your search request has found 1 PATENT through Level 1.  
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To MODIFY your search request, press the M key (for MODFY) and then the ENTER key.

For further explanation, press the H key (for HELP) and then the ENTER key.

LEVEL 1 - 1 PATENT

1. 6584814 , July 1, 2003 , Washing machine with tilted washing tub, Son, Ji Chang - Kyungsangnam-do, South Korea (KR); Park, Hye Yong - Kyungsangnam-do, South Korea (KR); Lee, Bong Sang - Kyungsangnam-do, South Korea (KR); Ryu, Chang Won - Kyungsangnam-do, South Korea (KR), 837385 (09), LG Electronics, Inc., Seoul, South Korea (KR), 03, August 13, 2001 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS) ., LG ELECTRONICS INC. 20 YEOUIDO- DONG, YOUNGDEUNGPO-KU SEOUL KOREA, REPUBLIC OF 150-0, Reel and Frame Number: 012067/0338

CORE TERMS: tub, washing, casing, rear, tilted, washing machine, protrusion, laundry, projections, forward ...

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

6584814

<=1> Get Drawing Sheet 1 of 6

July 1, 2003

Washing machine with tilted washing tub

REISSUE: October 8, 2003 - Reissue Application filed Ex. Gp.: 1746; Re. S.N. 10/684,322 (O.G. December 16, 2003)  
October 8, 2003 - Reissue Application filed Ex. Gp.: 1746; Re. S.N. 10/684,322 (O.G. December 23, 2003)

APPL-NO: 837385 (09)

FILED-DATE: April 19, 2001

GRANTED-DATE: July 1, 2003

CORE TERMS: tub, washing, casing, rear, tilted, washing machine, protrusion, laundry, projections, forward ...

6584814

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